



Blood Donation Guide Program report

BDG

1 - Features of your design and implementation that worked well, and why?

We decided to use lists, for loops, while loops, files, nested ifs , try and except. That helped make our program simple and convenient. Easy to use and manageable. Once we got rid of all the syntax errors it worked great. We designed a simple GUI we used : Labels , Entry, Listbox and Button. We colored the background we colored the text as well.

Using nested ifs and for loops really made it simple and easy to use. It worked well since we have multiple inputs and the output changes depending on the input entered by the user.

2 - Features of your design and implementation that did not work well, and why?

We had multiple syntax and indentation errors. We also tried to write everything down in the program without using files that was inconvenient and not neat. We had mistakes with while loops. When we write a while loop that's not followed by true it can keep looping and ruin the program. We added a true and that fixed it. We had multiple errors and troubles with the read only file that we fixed.

3 - Any ideas for additional features and design improvements.

We hope to develop a more visually pleasing GUI. And we would like to use more files for more information. We want the user to input their precise location (street, address, neighborhood etc..) and for the program to output the nearest hospital to the user along with its location. We also would like to work with mobile blood donating centers to have it go wherever the donor is.

We want this program to turn to a website or an app and have a much better GUI and for it to be available on all devices in all locations.

4 - How you determined this change was necessary?

We discussed the code amongst ourselves multiple time to come up with the most improved version that's easy to use and easy for us to write and syntax error free.

We also discussed it with our peers and seniors.

5 - Why you believe your change fixed the issue.

I think taking others opinion on our program is very helpful. I found that asking non-developers about our GUI was helpful because they have the same point of view as the potential users. Any constructive criticism was very helpful to us since its our first project. We tried implying their changes no matter how silly to improve both our program and out coding skills. Our peers and seniors had very bright ideas which we implemented.

We are very thankful for all the advice we got and very thank full for each other for working hard on this despite it being our first coding project ever. I am sure our hard work will pay off and I hope we can help people with our program.

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